



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
37 C.F.R. § 3.73(b) Statement

RECEIVED

JUN 12 2002

Technology Center 2600

Applicants: Turaga et al.

For: SYSTEM AND METHODS FOR VIDEO COMPRESSION
MODE DECISIONS

Serial No.: 10/085,616

Filed: February 28, 2002

Carnegie Mellon University (a non-profit Pennsylvania organization) is the assignee of the entire right, title and interest in the patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the **patent application** identified above. The assignment was recorded in the United States Patent and Trademark Office on _____ at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above to the current assignee as shown below:

1. From ____ To: ____

The document was recorded in the United States Patent and Trademark Office on _____ at Reel ____, Frame _____, or for which a copy thereof is attached.

- ☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Power Of Attorney

I hereby revoke all previous powers of attorney, if any, and appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Roberto Capriotti
Maria Comninou
George D. Dickos,
Thomas J. Edgington,
Christine R. Ethridge,
Jesse A. Hirshman,
James M. Joyce,
Mark G. Knedeisen,
William E. Kuss,
James R. Kyper,

Reg. No. 46,599
Reg. No. 44,626
Reg. No. 30,048
Reg. No. 34,324
Reg. No. 30,557
Reg. No. 40,016
Reg. No. 43,700
Reg. No. 42,747
Reg. No. 41,919
Reg. No. 27,346

Michael D. Lazzara,
Mark R. Leslie,
Franklin B. Molin,
Robert A. Muha,
Donald R. Palladino
Jonathan C. Parks,
Bernard G. Pike,
Robert V. Racunas, Jr.,
David Schramm
Robert D. Yeager

Reg. No. 41,142
Reg. No. 36,360
Reg. No. 37,397
Reg. No. 44,249
Reg. No. 46,976
Reg. No. 40,120
Reg. No. 46,993
Reg. No. 43,027
Reg. No. 41,295
Reg. No. 25,047

Please Direct All Correspondence to: Jonathan C. Parks, Esquire
Kirkpatrick & Lockhart, LLP
Henry W. Oliver Building
535 Smithfield Street
Pittsburgh, PA 15222-2312

Declaration

I hereby declare that my presentation of this paper constitutes a certification under 37 C.F.R § 10.18, which provides, in part, that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and that further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeopardize the validity of the application and any patent issuing therefrom.

Date

Signature

Name

Title

May 29, 2002
Susan Burkett
Susan Burkett
Associate Provost

Attorney's Docket No. 020003

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or
☐ U.S. Provisional Application
For: ☐ U.S. Patent
For: ☐ PCT Application
By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

Deepak S. Turaga
(type or print name of inventors)

23 F Scenic Drive
Croton on Hudson, NY 10520 India
Address Nationality

Tsuhuan Chen

715 Carriage Drive
Wexford, PA 15090 Taiwan

hereby sells, assigns and transfers to

ASSIGNEE:

Carnegie Mellon University
(type or print name of ASSIGNEE)

5000 Forbes Avenue
Address

(a non-profit Pennsylvania organization)
Nationality

Pittsburgh, PA 15213

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided _____ percent (_____ %) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled **SYSTEM AND METHODS FOR VIDEO COMPRESSION MODE DECISIONS**

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

(a) ☐ U.S. patent application executed on even date herewith

(b) ☐ U.S. patent application executed on _____

(c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention

☐ Express mail label no.: _____

Mailed: _____

☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) ☒ U.S. application no.: 10/085,616 filed on February 28, 2002

(e) ☐ International application no. PCT / _____ / _____
filed on _____

(f) ☐ U.S. patent no. _____ issued _____

☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below.

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Deepak S. Turaga
(type name of Inventor)

Deepak S. Turaga 04/17/2002
Signature of INVENTOR Date

Tsuhuan Chen
(type name of Inventor)

Signature of INVENTOR Date

☐ Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

Attorney's Docket No. 020003

PATENT

For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or
☐ U.S. Provisional Application
For: ☐ U.S. Patent
For: ☐ PCT Application
By: Multiple Inventors

ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS (Inventors):

<u>Deepak S. Turaga</u> (type or print name of inventors)	<u>23 F Scenic Drive</u> <u>Croton on Hudson, NY 10520</u> Address	<u>India</u> Nationality
<u>Tsuhuan Chen</u>	<u>715 Carriage Drive</u> <u>Wexford, PA 15090</u>	<u>Taiwan</u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>

hereby sells, assigns and transfers to

ASSIGNEE:

Carnegie Mellon University
(type or print name of ASSIGNEE)

5000 Forbes Avenue
Address

(a non-profit Pennsylvania organization)
Nationality

Pittsburgh, PA 15213

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

☒ the entire right, title and interest

☐ an undivided _____ percent (_____ %) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled **SYSTEM AND METHODS FOR VIDEO COMPRESSION MODE DECISIONS**

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

(a) ☐ U.S. patent application executed on even date herewith

(b) ☐ U.S. patent application executed on _____

(c) ☐ U.S. provisional application naming the above inventor(s) for the above-entitled invention

☐ Express mail label no.: _____

Mailed: _____

☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) ☒ U.S. application no.: 10/085,616 filed on February 28, 2002

(e) ☐ International application no. PCT / _____ / _____
filed on _____

(f) ☐ U.S. patent no. _____ issued _____

☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

- (g) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

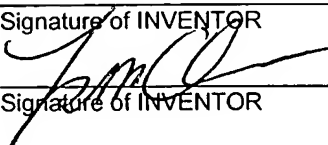
ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below.

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Deepak S. Turaga
(type name of Inventor)

Tsuhon Chen
(type name of Inventor)

Signature of INVENTOR	Date
	April 16, 2002
Signature of INVENTOR	Date

☐ Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.